



NORTH CAROLINA
ADMINISTRATIVE OFFICE
of the COURTS

Judicial Department Statewide IT Operations

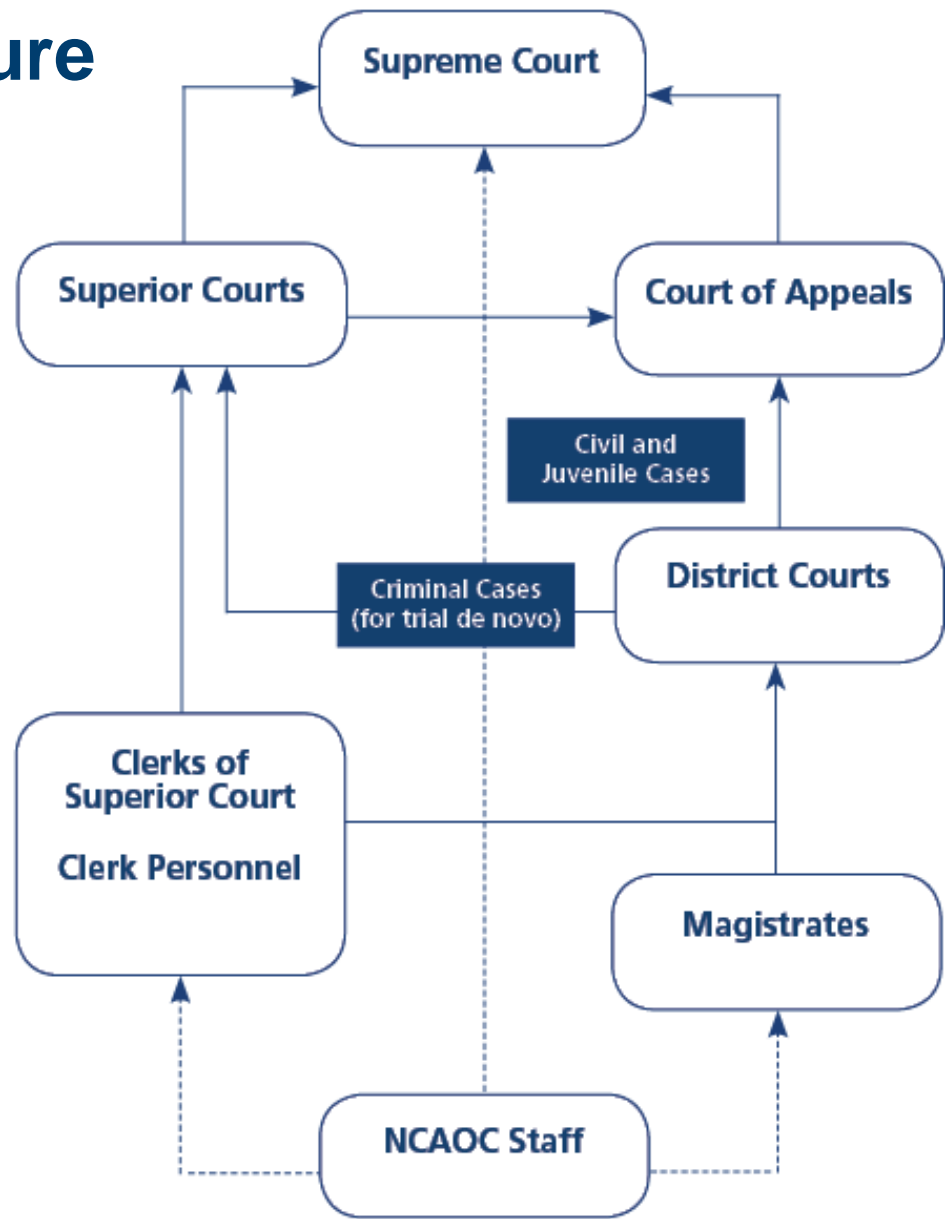
Report to the Joint Legislative Oversight Committee on Information Technology

Presented by Gregg Stahl, Senior Deputy Director

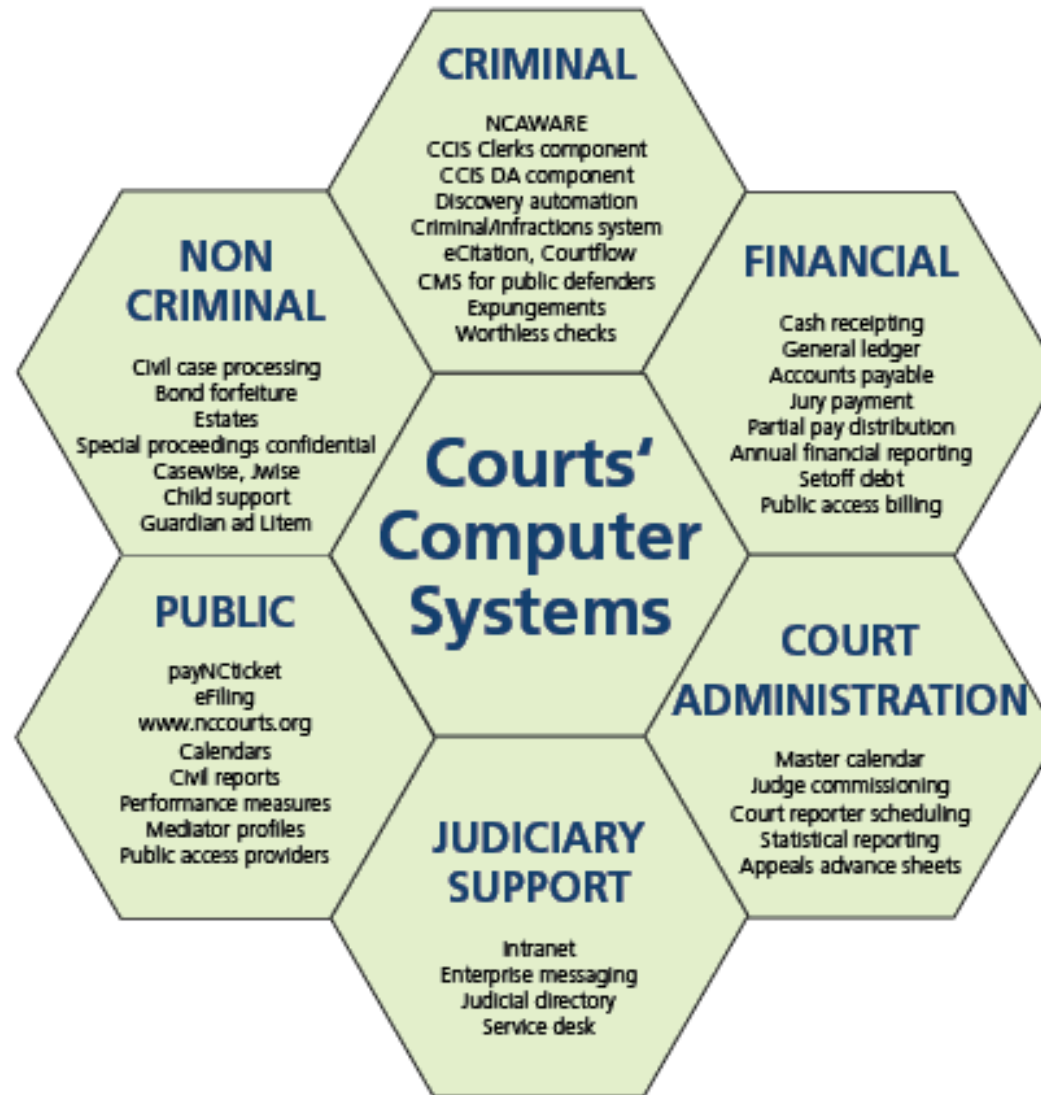
October 6, 2011



Organizational structure



Courts' Computer Systems



Technology Services Salary and Operating Funding sources

		Authorized budget (6/30/11)	FTE totals	Actual budget (6/30/11)	SYF 2012 Authorized Budget (as of 10/3/11)	FTE totals
Staffing	General Fund	18,347,513.00	192	18,347,504.35	17,210,932.00	172
	Receipts	4,304,429.00	53	3,870,374.19	4,277,359.00	53
Contractors	General Fund	758,121.00		758,121.00	243,525.00	
	Receipts	992,190.00		729,403.00	1,149,513.75	
Operating	General Fund	683,347.21		683,334.21	679,308.00	
	Receipts	6,414,447.00		6,367,004.66	6,511,554.00	
TOTAL		31,500,047.21	245	30,755,741.41	30,072,191.75	225
Infrastructure	Agency	12,879,827.00		14,254,482.37	9,789,279.00	
Equipment	Agency	6,171,425.00		5,049,440.00	3,466,046.00	

***Receipt Supported staff = 44 Tech Fund; 6 General Fund; 3 Grants**

***Contractual Positions FY 2011 = 14 FY 2012 = 11.33**

Comparison of Actual and IT Expenditure Report

Funding Maintenance and Refresh Requirements

Planning and Project Management

- Judicial Council oversight – biannual reporting
- Rigorous project management standards
 - Plan and track work, budget, schedule, and communications
 - Manage risk, issues, and changes

Ongoing High-Priority Projects

NCAWARE

An automated warrant repository that implements electronic repository legislation and provides North Carolina law enforcement and court officials real-time, web-based access to current and historical criminal processes and defendant information throughout all 100 counties, 24 x 7 x 365.

Criminal Court Information System – Clerk Component (CCIS-CC)

A criminal case management system that is part of the comprehensive rewrite of the criminal system to allow clerk of superior court personnel to process criminal and infraction cases from initiation through disposition.

Ongoing High-Priority Projects

Criminal Court Information System – District Attorney (CCIS-DA)

A case management computer system used by district attorneys to manage their staff and caseload.

Discovery Automation

A state-mandated system that provides electronic access to open discovery of all evidence in felony and other cases that require such disclosure.

Ongoing High-Priority Projects, *continued*

Civil eFiling

Allows civil court papers to be filed electronically, filing fees to be paid online, court notices to be sent, and court information to be retrieved via the Internet.

ePayment for eFiling

Provides for online payments of costs and fees via bank draft or credit/debit card in civil cases that are eFiled.

ePayment for payNCticket

Provides for online payments via credit or debit card for citations with waivable offenses.

Ongoing High-Priority Projects, *continued*

Judicial Archiving

An electronic archive for the long-term retention of email, electronic files, and data.

e-Discovery

A software tool allowing automated reporting and production of information and data for public records and legal discovery purposes.

Ongoing High-Priority Projects, *continued*

Judicial Email Replacement Project

Replaces the legacy mainframe email system with a contemporary electronic messaging system based on Microsoft Exchange 2010 and Microsoft Outlook at the desktop.

New Telephone System Implementation

Replaces all legacy telephone systems with a centrally managed, unified VoIP system.

Current Systems – Hardware, Network, Applications

Servers

- (2) IBM model z10 enterprise mainframe servers running the IBM z/OS mainframe operating system under a SYSPLEX architecture
- Multiple Blade Server farms (mixed manufacturers) running in a WINTEL environment under a VMWare virtualized architecture

Current Systems – Hardware, Network, Applications

Security

- Core applications residing on the z10 enterprise server are authenticated through RACF identity and a single sign-on security model
- Wintel applications/data and workstation access are authenticated through an Active Directory security model

Current Systems – Hardware, Network, Applications

Storage

- EMC Clarion and Symmetrix products
- Application data storage provided via IBM DB2 software
- Public website data storage currently uses SQL Server
- Primary Wintel storage is provided by EMC VNX and Celerra storage systems
- All clients have local file and print servers for data storage

Current Systems – Hardware, Network, Applications, *continued*

Applications

- Mission-critical business applications consist of COBOL legacy applications and JAVA web applications. Web applications are developed using IBM's Rational Application Developer
- Applications are written using JAVA, JSP, J2EE, XML, HTML
- Multiple off-the-shelf applications (MS Office 2003, etc.) are deployed within the WINTEL environment
- Microsoft Exchange 2010 is the email system for the Judicial Department, using Outlook 2003 as the client

Current Systems – Hardware, Network, Applications, *continued*

Applications, continued

- SharePoint is leveraged for a single critical application – Discovery Automation
- Internet Explorer 7 is main web browser for intranet users
- Servers and workstations are managed and secured through Active Directory GPO, LANDesk, and have the normal complement of security software (*i.e.*, anti-virus, limited admin permissions)

Current Systems – Hardware, Network, Applications, *continued*

Client configuration

- Desktop and laptop systems are operating on the latest version of the Windows XP operating systems with a future migration to Windows 7 planned for 2011.
- Mobile users access the data center via a virtual private network (VPN) connection.

Current Systems – Hardware, Network, Applications, *continued*

Network

- Connectivity to the NCAOC Data Center from the 230 courthouse and annex sites across the state is provided via a hub-and-spoke high-speed fiber optic wide area network
- Each site uses high-speed local area networks (1GB ethernet)

Disaster recovery

- All network and computer systems are fully recoverable at an IBM Disaster Recovery Center.

Ages of Courts' Computer Systems

Age (years)	Number of applications
Less than 5	14
5–10	16
11–15	4
16–20	4
Greater than 20	6



eCourt Vision

Using information technology to improve the delivery of services to the public and to provide greater and more convenient access to court personnel

Why agency is exempt from SB 991

North Carolina Constitution

Article IV

Judicial

Section 1. Judicial power.

The judicial power of the State shall, except as provided in Section 3 of this Article, be vested in a Court for the Trial of Impeachments and in a General Court of Justice. **The General Assembly shall have no power to deprive the judicial department of any power or jurisdiction that rightfully pertains to it as a co-ordinate department of the government,** nor shall it establish or authorize any courts other than as permitted by this Article.

QUESTIONS?



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